

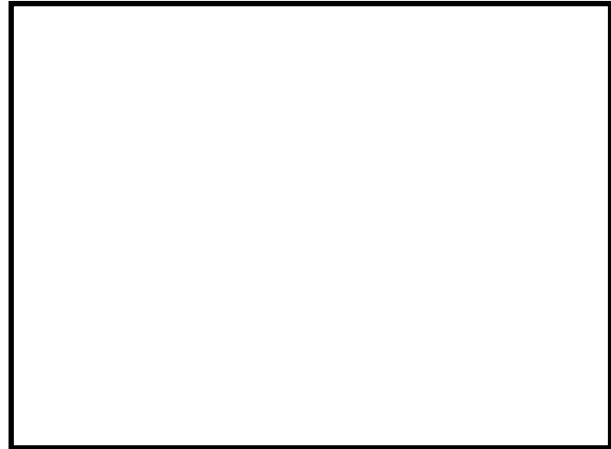
E/H Plane Tuners

FEATURES:

- ❖ Micrometer Driven
- ❖ Non-Contacting Choke-Type Short Circuits

APPLICATIONS:

- ❖ Test Set up



CPT Series

DESCRIPTION:

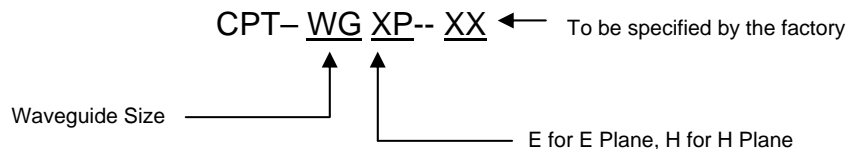
Cernex's CPT series E/H plane tuners are hybrid tee section available in standard waveguide sizes for operation from 12.4 to 220 GHz. The devices feature micrometer-driven tunable shorts in both the E-plane and H-plane arms for accurate tuning and reproducible settings. The internal short circuits are non-contacting, choke-type plungers that provide a highly stable electrical short. Locking devices ensure continued setting reliability under all normal conditions of test bench shock and vibration. The shorts travel a minimum of one-half wavelength at the lowest frequency.

SPECIFICATIONS:

Waveguide Band	Ku	K	Ka	Q	U	V	E	W	F	D	G	
Waveguide Size	WR-62	WR-42	WR-28	WR-22	WR-19	WR-15	WR-12	WR-10	WR-8	WR-7	WR-5	
Frequency Range (GHz)	12.4 to 18.0	18.0 to 26.5	26.5 to 40.0	33.0 to 50.0	40.0 to 60.0	50.0 to 75.0	60.0 to 90.0	75.0 to 110.0	90.0 to 140.0	110.0 to 170.0	140.0 to 220.0	
A	in	2.50	2.50	2.50	2.50	2.50	2.00	2.00	2.00	1.50	1.50	1.50
	mm	63.5	63.5	63.5	63.5	63.5	50.8	50.8	50.8	38.1	38.1	38.1
B	in	5.78	4.86	2.95	2.92	2.90	2.28	2.26	2.25	2.12	2.12	2.12
	mm	146.81	123.44	74.93	74.17	73.66	57.91	57.40	57.15	53.8	53.8	53.8
Weight (oz)	12	10	9.5	9.0	7.0	3.5	2.0	2.0	1.5	1.5	1.3	

HOW TO ORDER:

Specify Model Number



Example: To order WR-15 E plane tuner, specify CPT15EP-XX.

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE